

ABSTRACT

A system and method for enabling multiple processes to efficiently log events is described. A client executable module that needs to log an event may interface with a module or component referred to as a "client-side logging component", passing various types of information regarding the event, such as an associated event level, one or more event associated event categories, an informational message, etc. The client-side logging component may maintain event logging criteria specifying which types of events should be logged. If the event should be logged, the client-side logging component may queue the event information and return execution control to the client module. The event information may then be asynchronously retrieved from the event queue and sent to a server-side logging component. The server-side logging component may persistently log the event information in any of various ways, e.g., by storing it in a file, a database, etc.

Processes running on multiple computers may call the server-side logging component to log events, via a client-side logging component instance associated with the process. A logging administration tool may be utilized in order to set event logging criteria. In response to being configured with new event logging criteria information, the server-side logging component may automatically propagate the logging criteria information to each of the client-side logging components. The client-side logging components may then begin using the new logging criteria, dynamically changing the filtering of events that are sent to the server-side logging component.